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**CURRENT POSITION**

Saint Michael's College: Professor, Department of Mathematics

**EDUCATION**

Ph.D. in Complex Analysis, August 1994, University of Notre Dame, Notre Dame, IN.

M.S. in Mathematics, Spring 1991, University of Notre Dame.

B.S. in Mathematics, Spring 1989, Saint Lawrence University, Canton, New York.

**PROFESSIONAL EXPERIENCE**

SAINT MICHAEL'S COLLEGE Colchester, VT

- Professor of Mathematics, 2007-present.
- Associate Professor of Mathematics, 2000-2007.
- Assistant Professor of Mathematics, 1995-2000.

NORTHEAST MISSOURI STATE UNIVERSITY (now Truman State University) Kirksville, MO

- Assistant Professor of Mathematics, 1994-1995.

**LIST OF PUBLICATIONS AND PREPRINTS**

- “‘Framing’ the Proof of the Pythagorean Theorem: A Hands-On Activity to Enhance Teacher Understanding” (with Regina Quinn), to be submitted as an article for the NCTM *Mathematics Teacher* 2009 focus issue on “PROOF: Laying the Foundation.”
- “Using Mathematically-Rich Tasks to Deepen the Pedagogical Content Knowledge of Primary Teachers” (with Regina Quinn), submitted as a chapter for *Effective Tasks in Primary Mathematics Teacher Education* in Springer’s “Mathematics Teacher Education Series”.
- “Geometry and the Pythagorean Theorem: A Fruitful Context to Enrich Teacher Understanding”(with Regina Quinn), submitted as an article for the *International Journal for Mathematics Teaching and Learning*.
- “How High? How Long? How Fast? Modeling with Water Rockets and Calculus” (with J. Ellis-Monaghan), *PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies*, **XVI**: 2, (Jun. 2006) 121 - 137.

- “Integrating Exit Questions into Instruction,” *NCTM News Bulletin*, 42, 3 (Oct. 2005) 6.
- “A House of Your Own: The Mathematics of the American Dream (Part 2)” (with J. Ellis-Monaghan), *The New Jersey Mathematics Teacher*, 63: 2, (May 2005) 20-26.
- “Credit Cards and Cars: The Mathematics of the American Dream (Part 1)” (with J. Ellis-Monaghan), *The New Jersey Mathematics Teacher*, 63: 1, (Jan. 2005) 16-23.
- “The Lottery: A Dream Come True or a Tax on People Who are Bad at Math” (with J. Ellis-Monaghan), *PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies*, **XIV**: 4, (Dec. 2004) 303 - 314 .
- *Number Theory: A Course for Elementary Teachers* (with E. Marsden), used in the Vermont Mathematics Initiative (VMI) and the Massachusetts Mathematics Initiative (MMI) and considered for publication and broader use elsewhere, Copyright 2003.
- “Water Rockets in Flight: Calculus in Action” (with J. Ellis-Monaghan and A. Brizard), *UMAP/ILAP Modules 2002-2003: Tools for Teaching*, pp. 151-188. Interdisciplinary Lively Applications Projects are designed to motivate mathematical concepts in the context of a practical application in another field.
- “Home Sweet Home: A Financial Incentive for the Lower Level Mathematics Course” (with J. Ellis-Monaghan), *PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies*, **XI**: 1, (Mar. 2001) 16-26.
- “Microcosm to Macrocosm: Population Models in Biology and Demography” (with J. Ellis-Monaghan), *UMAP Modules: Tools for Teaching 1999* (Modules in Undergraduate Mathematics and its Applications), UMAP Unit Module **777**, (2000) 39-80.
- “How Many People are in Your Future? Elementary Models of Population Growth” (with J. Ellis-Monaghan) in *Making Meaning: Integrating Science Through the Case Study Approach to Teaching and Learning*, written by several SMC professors and published by McGraw-Hill (1999) 42-80. A revised version of this case study was published in *Ecology Case Studies* to accompany Manuel Molles' *Ecology: Concepts and Applications*, 1<sup>st</sup> ed, McGraw-Hill (Oct. 1999).
- “The Defect Relation for Meromorphic Maps on Parabolic Manifolds”, *Memoirs of the American Mathematical Society* **139**: 665 (May 1999).
- “Interdisciplinary Projects in a First Semester Calculus Course” (with J. Ellis-Monaghan), *PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies*, **IX**: 1, (Mar. 1999) 39-55.